

FIG. 1

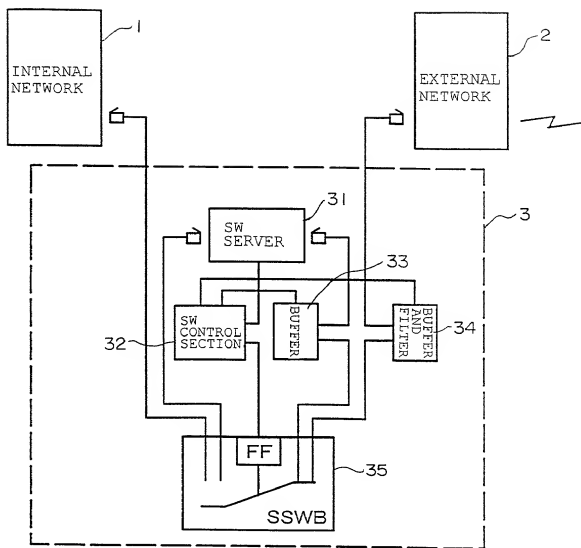


FIG. 2

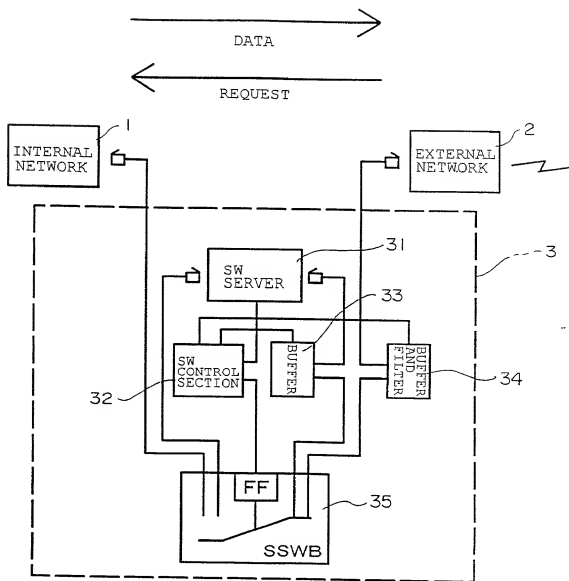


FIG. 3

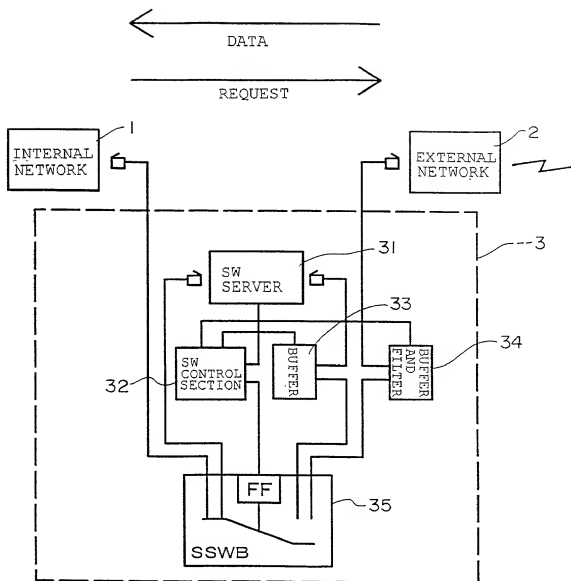


FIG. 4

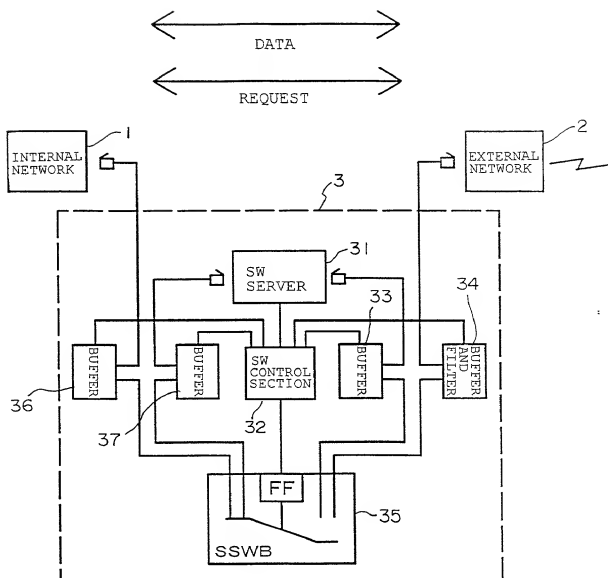


FIG. 5

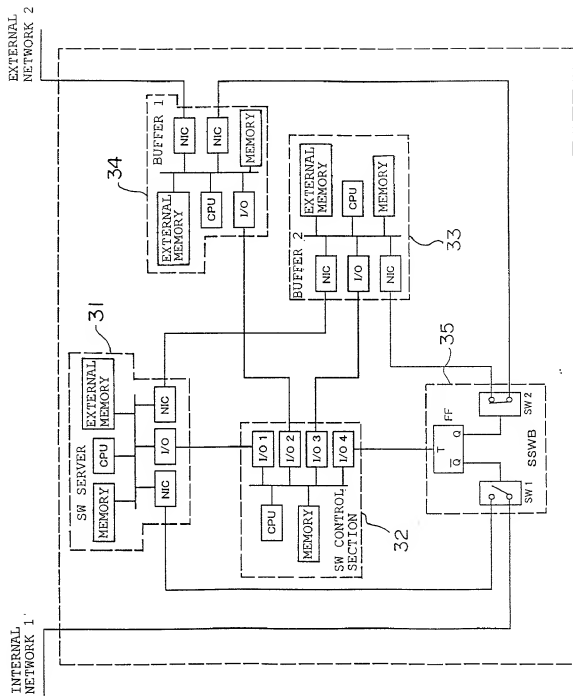
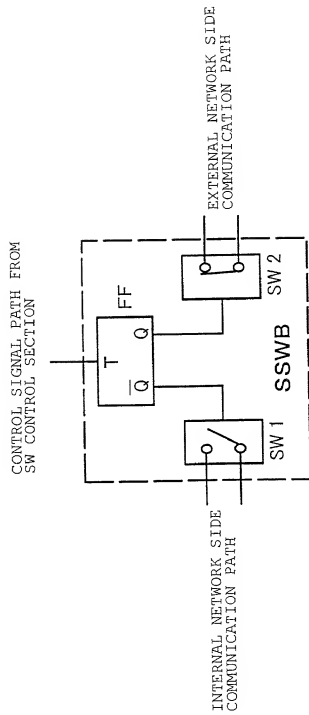


FIG. 6



TRUTH TABLE OF CUT FLIP FLOP THAT CONTROLS SW1 AND SW2

T	Q	\overline{Q}
0	NO CHANGE	
1	INVERTED	

FIG. 7

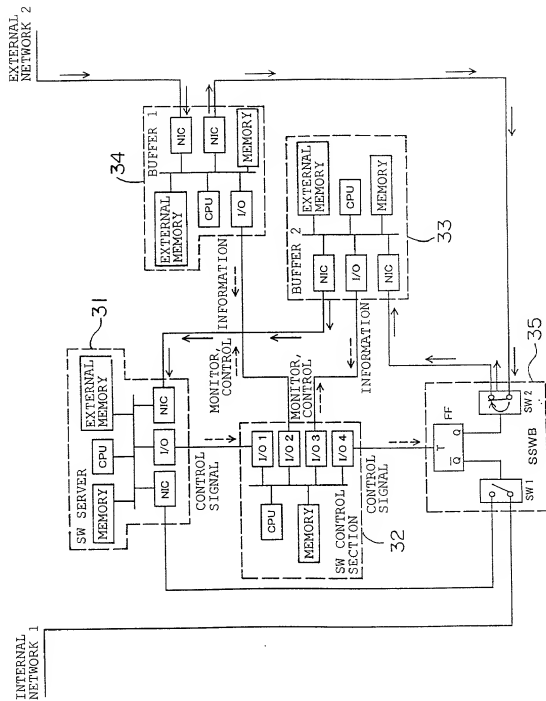


FIG. 8

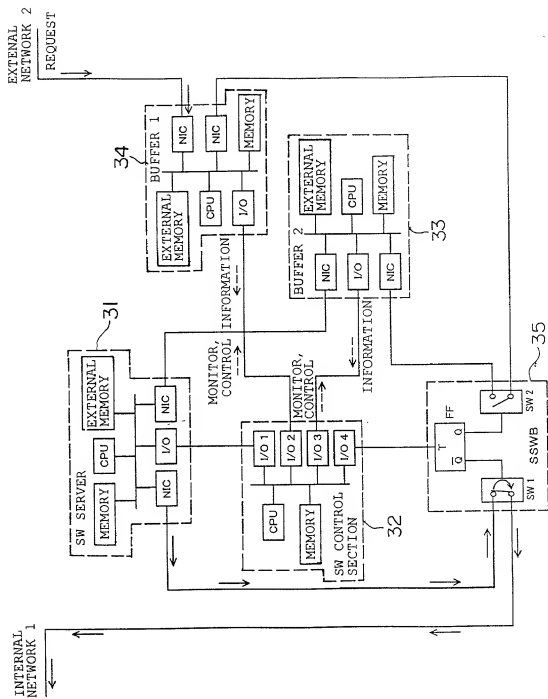


FIG. 9

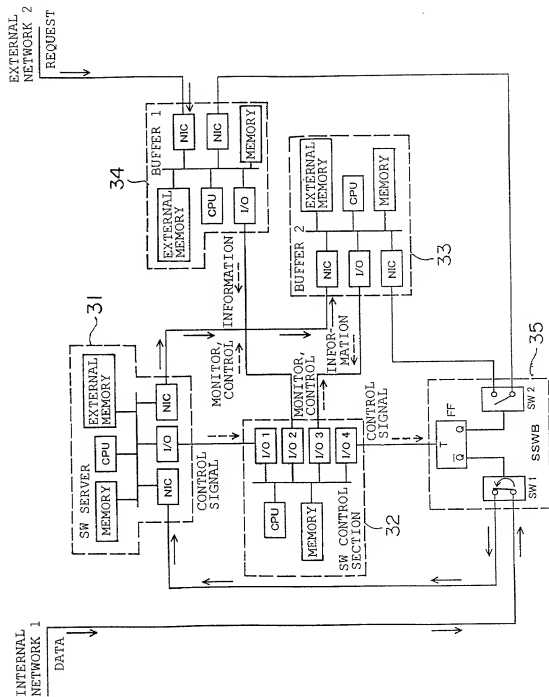


FIG. 10

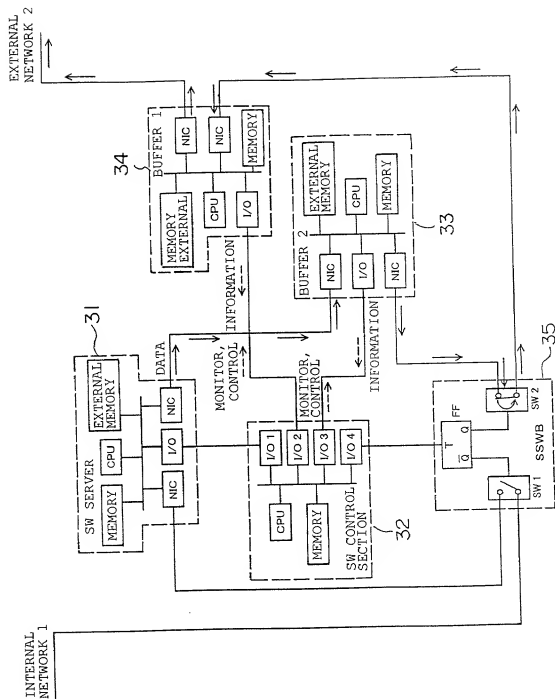


FIG. 11

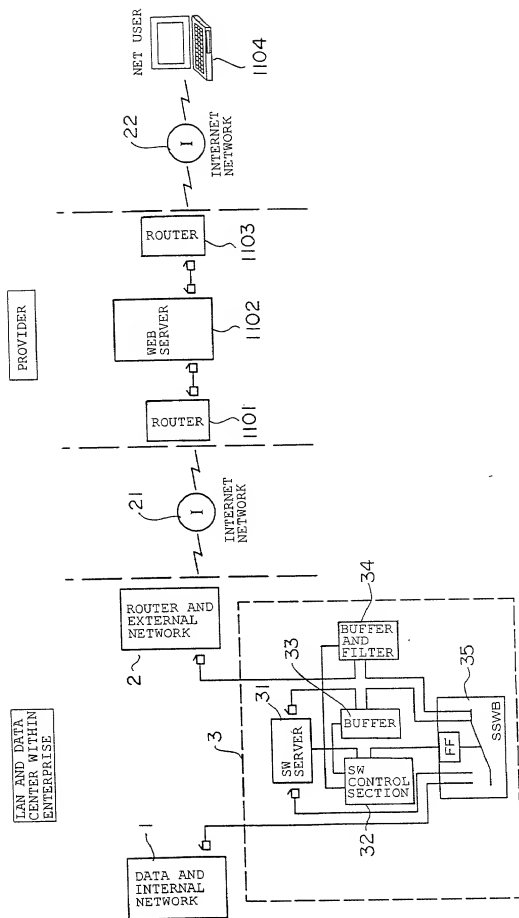


FIG. 12

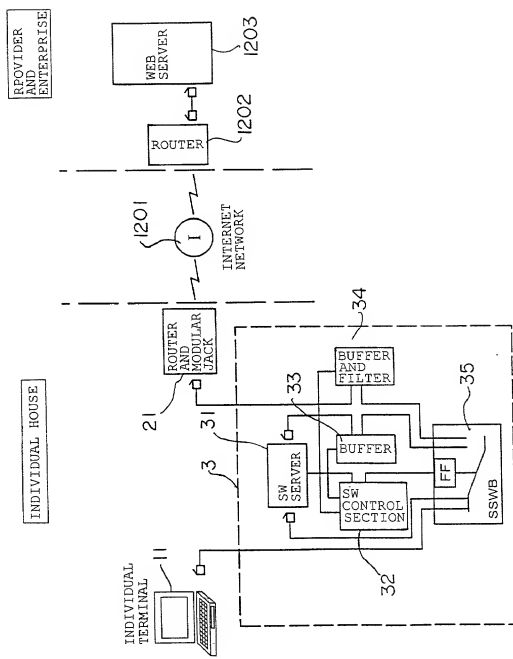


FIG. 13

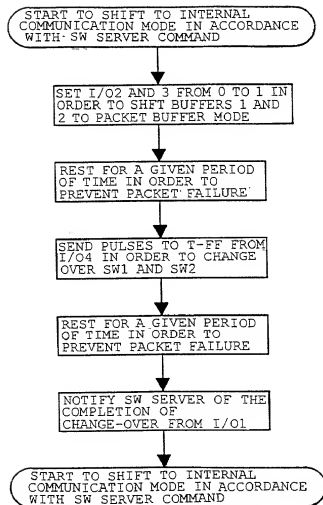


FIG. 14

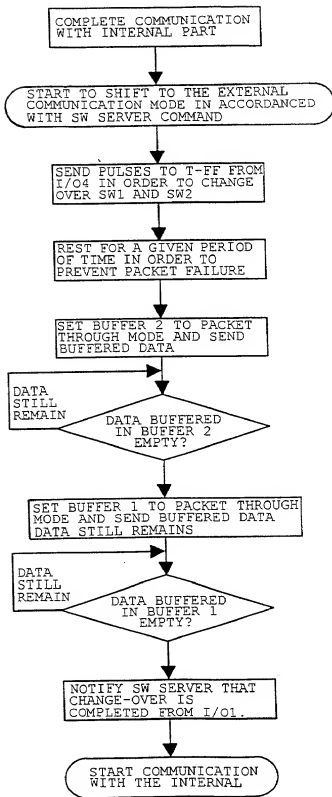


FIG. 15

